

# HIGH CFM CONVERSION KIT INSTALLATION FOR SEPARATED-COMBUSTION INDOOR GAS-FIRED DUCT FURNACE

## MODEL SC

### ⚠ DANGER ⚠

- This conversion shall be done by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury, or loss of life. The qualified service agency performing this work assumes responsibility for the conversion of this appliance to provide for higher CFM.
- If the duct furnace is already installed, turn OFF the gas and electric before servicing.

## GENERAL INFORMATION

- The instructions in this sheet are designed to prepare a Reznor duct furnace for increased air throughput conversion prior to installation.
- Refer to the installation manual provided with the heater for important safety information.
- The purpose of this kit (PN 263309) is to convert a model SC unit for use in an application that requires a higher CFM than the standard unit. Installation of this kit will allow for use of the furnace with the CFM range listed in [Table 1](#).

Table 1. High Air Throughput		
Unit Size	Minimum	Maximum
	CFM	
100	980	3700
125	1230	4630
150	1480	5555
175	1725	6480
200	1975	7405
225	2220	8330
250	2465	9255
300	2960	11,110
350	3455	12,900
400	3950	14,815

## COMPONENTS

Ensure that all components listed in [Table 2](#) are available before beginning installation.

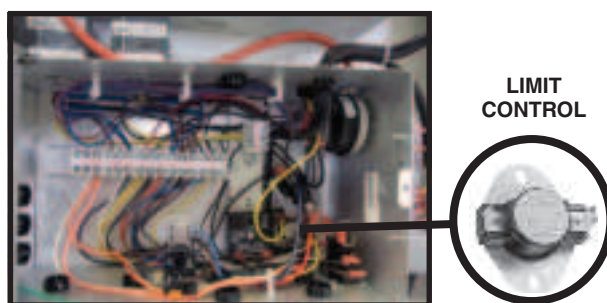
Table 2. High CFM Conversion Kit (PN 263309) Components		
Component	Description	PN (Quantity)
Limit control	145°F, blue label	50418 (1)
Field conversion label	High CFM conversion	263310 (1)

**DO NOT DESTROY. PLEASE READ CAREFULLY. KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.**

## INSTALLATION

Install the high CFM conversion kit as follows:

1. If unit is already installed, turn OFF gas and electric power.
2. Replace limit control (see [Figure 1](#)):
  - a. Remove control compartment panel, open electrical box, and locate existing limit control.
  - b. Mark and disconnect limit switch wires, remove screws that secure limit control, and remove control.
  - c. Install replacement limit control from kit and secure using existing screws.
  - d. Reconnect limit switch wires.



**Figure 1. Electrical Box in Control Compartment**

3. Remove heat exchanger baffles (see [Figure 2](#)):
  - a. Remove support bracket screws and slide entire baffle assembly out of heat exchanger.
  - b. Reinstall screws to plug holes.
  - c. For unit size 100, conversion is complete. Proceed to step 5.



**Figure 2. Heat Exchanger Baffle Removal**

4. Remove side finger baffles on unit sizes 125–400 (see [Figure 3](#)):

**NOTE: DO NOT remove the side finger baffles on unit size 100.**

- At entering air side of heat exchanger, locate side finger baffles and remove two side finger baffle screws from each baffle.
- Remove both side finger baffles.



**Figure 3. Side Finger Baffle Removal**

5. Install field conversion label (see [Figure 4](#)):
- Fill in field conversion label (PN 263310) from kit.
  - Adhere label to unit on clean dry surface adjacent to rating plate.

IMPORTANT	
This appliance has been converted on	
Cet appareil a été converti	_____ <i>(date)</i>
to	_____ cfm maximum throughput
au	_____ $\text{pi}^3/\text{min}$ consommation maximum
to	_____ cfm minimum throughput
au	_____ $\text{pi}^3/\text{min}$ consommation minimum
by / par	_____ <i>(name &amp; address of company making this conversion)</i>
with kit no. / avec la kit no	_____ <b>263309</b>
which accepts the responsibility that this conversion has been properly made.	
qui accepte la responsabilité que cette conversion a été correctement faite.	
263310	

**Figure 4. Field Conversion Label**

6. Test unit for proper operation ensuring that air throughput is in accordance with [Table 1](#).

